



First Strike Fire Fighting



100 Litre Trolley Unit

The Firexpress trolley unit is a self-contained system with a 100 litre tank for premixed water and foam. The system is driven by compressed air delivered from a standard 6.0 litre steel air tank filled to 300 bars.

The pressure of the air is reduced to 20 bars in a pressure regulator before it enters the water tank. A non-return valve is mounted between the pressure regulator and the water tank to avoid a drop in air pressure in the water tank if the air tank is disconnected while the unit is pressurized. A pressure safety valve (40 bars) is mounted in the pressure regulator. When the air enters the water tank, it forces the water downwards and up into a tube inside the water tank and out into the discharge hose. An additional safety valve (26 bars) is mounted on the water tank.

From the water tank, the water will enter the 10 metre discharge hose, which is connected to the lance. The lance is operated via a pistol grip. It is able to deliver 22 litres of water per minute or 110 litres of aspirated foam per minute at a range of 11 metres for the micro-drops and 15 metres for the foam jet.

As the water entering the tube inside the water tank originates from the bottom of the water tank, only water is supplied into the discharge hose. No air is forced into the discharge hose as long as there is water in the tank.

A filling kit ensures a proper mixing of water and foam and helps avoid having foam spill over the unit.

The mobile unit is used for fighting fires in relative close proximity to the location of the unit. The unit has a handle, two large rear wheels and two front foot brackets. This makes it possible to move the unit around over shorter distances.

The mobility of the system makes it very useful in industrial areas such as factories, warehouses, car decks and engine rooms on ships, aircraft hangers etc.



First Strike Fire Fighting

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| Propellant: | Compressed atmospheric air |
| Pressure source: | 8 litre air tank of steel for 300 bar pressure |
| Working pressure: | Preset at 20 bars |
| Spray device: | Fireexpress lance with patented dual nozzle |
| Nozzle pressure: | 13 bars |
| Lance measurements: | 104 cm long, 4 kg |
| Spray options: | Micro-drops or jet of aspirated foam as selected by operator with instant change |
| Stream options: | Continues stream or manual pulsing |
| Spray range: | 11 metres form micro-drops and 15 metres for foam jet |
| Water/foam tank: | 100 litre stainless steel water/foam tank, sufficient for 272 seconds on constant spray |
| Flow: | 22 litres per min. (micro-drops), 110 litres per min. (aspirated foam) |
| Recommended foam solution: | 3% AR-AFFF (alcohol resistant) foam solution, premixed in water |
| Foam expansion rate: | Low expansion rate, approximately 1:5 |
| Discharge hose: | 10 metres ½” hose winded on rack |
| Hose type: | Oil and temperature resistant (-40° C up to +100° C) according to EN 854 |
| Corrosion resistance: | Frame – painted steel Water tank – stainless steel type AISI 304 |
| Safety features: | Two pressure safety valves (26 bars and 40 bars) Non-return valve between pressure regulator and water/foam tank |
| Optional accessories: | Air tank, extension of discharge hose, filling kit, valve with pressure gauge for air tank, flat jet spray adapter for penetration of forest floor |
| Dimensions (D x W x H): | 62 x 66 x 112 cm |
| Fire fighting capability: | Able to fight class A, B, C and E fires Tested according to EN 3-7 standard Approved for electrical fires up to 10,000 volts |

Product information and specifications are subject to change without notice.

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